

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-14 (canceled).

Claim 15 (currently amended): A mobile display apparatus serving as a client device of an external host apparatus, the mobile display apparatus comprising:

a display section including a plurality of scanning lines arranged in a row and a plurality of signal lines arranged in a column and respectively intersecting with the scanning lines;

a voice output section;

a text code input section arranged to receive an input text code from the external host apparatus;

a video signal input section arranged to receive an input video signal from the external host apparatus;

a display control section arranged to display in the display section text corresponding to the input text code and including:

a scanning line drive circuit defining a display section drive circuit that is arranged to drive the display section by sequentially supplying scanning signals to the scanning lines; and

a signal line drive circuit arranged to supply video signals to the signal lines, the signal line drive circuit including a first signal line drive circuit that is arranged to receive the video signal from the video signal input section and a second signal line drive circuit that is arranged to receive a video signal corresponding to the text corresponding to the input text code; and

a voice output control section arranged to output voice sounds corresponding to the

input text code through the voice output section; wherein

the text code input section outputs the input text code to the display control section and the voice output control section to display in the display section the text corresponding to the input text code, and to output the voice sounds corresponding to the input text code through the voice output section;

the display control section displays in the display section both an image based on the input video signal supplied to the video signal input section and the text corresponding to the input text code so that the text is superimposed on the image; and

the first signal line drive circuit and the second signal line drive circuit share the signal lines.

Claims 16 and 17 (canceled).

Claim 18 (previously presented): The mobile display apparatus as set forth in claim 15, wherein:

the display section includes a display element driven by a thin film element; and
the text code input section, the display control section, and the voice output control section are either directly provided on a thin film substrate on which a pixel driving circuit element of the display element is provided, or include active elements provided on another substrate which is bonded to the thin film substrate.

Claim 19 (currently amended): The mobile display apparatus as set forth in claim ~~16~~ 15, wherein:

the display section includes a display element driven by a thin film element; and
the text code input section, the video signal input section, the display control section, and the voice output control section are either directly provided on a thin film substrate on which a pixel driving circuit element of the display element is provided, or include active elements provided on another substrate which is bonded to the thin film substrate.

Claim 20 (currently amended): A mobile display apparatus serving as a client device of an external host apparatus, the mobile display apparatus comprising:

- a display section;

- a voice output section;

- a video signal input section arranged to receive an input video signal from the external host apparatus;

- a display control section arranged to display in the display section an image based on the input video signal;

- a text recognizing section arranged to extract a text-portion image from the input video signal and convert the text-portion image into a text code; and

- a voice output control section arranged to output voice sounds corresponding to the text code through the voice output section; wherein

- the video signal input section outputs the input video signal supplied from the external host apparatus to the display control section and the text recognizing section; and

- the text recognizing section converts a text-portion image of the input video signal supplied from the video signal input section into a text code and outputs the text code to the voice output control section so that an image corresponding to the input video signal is displayed in the display section, and the voice sounds corresponding to the text code are outputted from the voice output section.

Claim 21 (previously presented): The mobile display apparatus as set forth in claim 20, wherein:

- the display section includes a display element driven by a thin film element; and

- the video signal input section, the display control section, the text recognizing section, and the voice output control section are either directly provided on a thin film substrate on which a pixel driving circuit element of the display element is provided, or include active elements provided on another substrate which is bonded to the thin film substrate.

Claim 22 (previously presented): The mobile display apparatus as set forth in claim 18, wherein:

the voice output section includes a sound source element which is layered on the display element of the display section within a flat region of the display element; and
a sound source element generates voice sounds by vibrating the display element.

Claim 23 (previously presented): The mobile display apparatus as set forth in claim 22, wherein:

the sound source element is driven by a sound source element drive section which is either directly provided on the thin film substrate, or includes active elements provided on another substrate which is bonded to the thin film substrate.

Claim 24 (previously presented): The mobile display apparatus as set forth in claim 18, wherein:

the thin film substrate includes a thin film layer including a polycrystal silicon thin film.

Claim 25 (previously presented): The mobile display apparatus as set forth in claim 18, wherein:

the thin film substrate includes a thin film layer including a continuous grain boundary crystal silicon thin film.

Claim 26 (previously presented): The mobile display apparatus as set forth in claim 18, wherein:

the another substrate including the active elements has a hydrogen ion injection section; and

the hydrogen ion injection section is adhered to the thin film substrate to combine said another substrate with the thin film substrate.

Claim 27 (previously presented): The mobile display apparatus as set forth in claim 15, wherein:

the display section is a liquid crystal display.

Claim 28 (previously presented): The mobile display apparatus as set forth in claim 15, wherein:

the display section includes an EL layer.

Claim 29 (previously presented): The mobile display apparatus as set forth in claim 21, wherein:

the voice output section includes a sound source element which is layered on the display element of the display section within a flat region of the display element; and
a sound source element generates voice sounds by vibrating the display element.

Claim 30 (previously presented): The mobile display apparatus as set forth in claim 29, wherein:

the sound source element is driven by a sound source element drive section which is either directly provided on the thin film substrate, or includes active elements provided on another substrate which is bonded to the thin film substrate.

Claim 31 (previously presented): The mobile display apparatus as set forth in claim 21, wherein:

the thin film substrate includes a thin film layer including a polycrystal silicon thin film.

Claim 32 (previously presented): The mobile display apparatus as set forth in claim 21, wherein:

the thin film substrate includes a thin film layer including a continuous grain boundary

crystal silicon thin film.

Claim 33 (previously presented): The mobile display apparatus as set forth in claim 21, wherein:

the another substrate including the active elements has a hydrogen ion injection section; and

the hydrogen ion injection section is adhered to the thin film substrate to combine said another substrate with the thin film substrate.

Claim 34 (previously presented): The mobile display apparatus as set forth in claim 20, wherein:

the display section is a liquid crystal display.

Claim 35 (previously presented): The mobile display apparatus as set forth in claim 20, wherein:

the display section includes an EL layer.